

***Amendments to the Specification***

Pursuant to the Examiner's comments, please replace the Abstract of the Disclosure with the following:

A cable modem system and method is provided for interleaving MPEG video data frames with DOCSIS data frames. A cable modem system in accordance with the invention includes a cable modem termination system (CMTS) that is adapted to detect the presence of null packets in an MPEG video data stream and insert DOCSIS data frames in there place. The source of the MPEG video data stream determines the ~~eløk~~ data transfer rate at which the MPEG data stream is routed through the CMTS.